

**Southeastern Fold Belt, Assessment Unit 31420101**  
**Assessment Results Summary**

[MMBO, million barrels of oil. BCFG, billion cubic feet of gas. MMBNGL, million barrels of natural gas liquids. MFS, minimum field size assessed (MMBO or BCFG). Prob., probability (including both geologic and accessibility probabilities) of at least one field equal to or greater than the MFS. Results shown are fully risked estimates. For gas fields, all liquids are included under the NGL (natural gas liquids) category. F95 represents a 95 percent chance of at least the amount tabulated. Other fractiles are defined similarly. Fractiles are additive under the assumption of perfect positive correlation. Shading indicates not applicable]

Field Type	MFS	Prob. (0-1)	Undiscovered Resources												Largest Undiscovered Field (MMBO or BCFG)			
			Oil (MMBO)				Gas (BCFG)				NGL (MMBNGL)				F95	F50	F5	Mean
			F95	F50	F5	Mean	F95	F50	F5	Mean	F95	F50	F5	Mean				
Oil Fields	1	1.00	0	0	0	0	0	0	0	0	0	0	0	0	NA	NA	NA	NA
Gas Fields	6					1,396	4,305	8,143	4,488	57	184	384	197	201	513	1,202	580	
Total		1.00	0	0	0	1,396	4,305	8,143	4,488	57	184	384	197					

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**Monte Carlo Results**

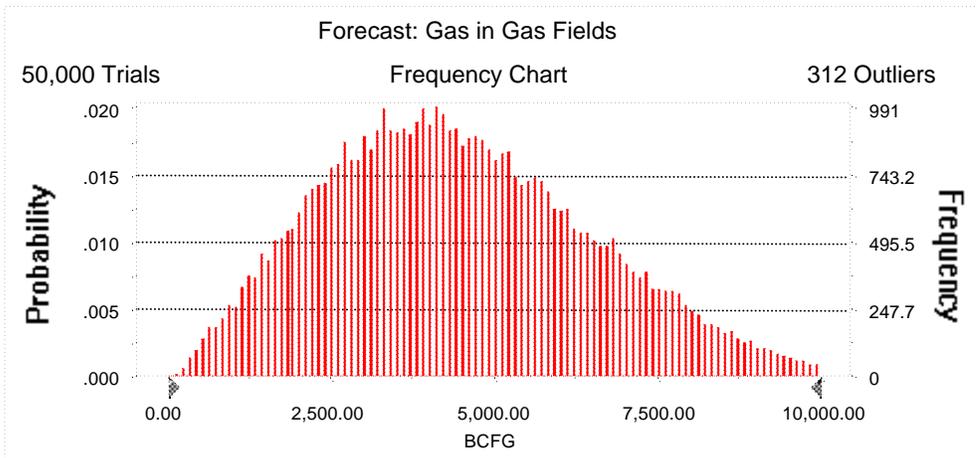
**Forecast: Gas in Gas Fields**

Summary:

Display range is from 0.00 to 10,000.00 BCFG  
Entire range is from 115.77 to 14,242.06 BCFG  
After 50,000 trials, the standard error of the mean is 9.21

Statistics:

	<u>Value</u>
Trials	50000
Mean	4,487.57
Median	4,304.67
Mode	---
Standard Deviation	2,058.87
Variance	4,238,935.10
Skewness	0.41
Kurtosis	2.79
Coefficient of Variability	0.46
Range Minimum	115.77
Range Maximum	14,242.06
Range Width	14,126.29
Mean Standard Error	9.21



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**Forecast: Gas in Gas Fields (cont'd)**

Percentiles:

<u>Percentile</u>	<u>BCFG</u>
100%	115.77
95%	1,395.57
90%	1,910.04
85%	2,302.58
80%	2,642.48
75%	2,950.41
70%	3,244.28
65%	3,508.21
60%	3,785.67
55%	4,043.57
50%	4,304.67
45%	4,585.16
40%	4,871.10
35%	5,174.36
30%	5,502.20
25%	5,848.39
20%	6,254.50
15%	6,743.46
10%	7,321.71
5%	8,142.94
0%	14,242.06

End of Forecast

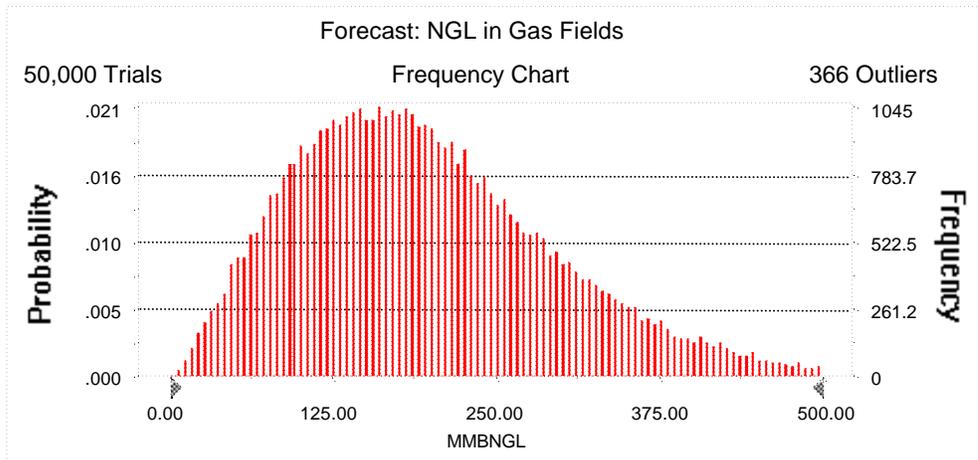
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**Forecast: NGL in Gas Fields**

Summary:

Display range is from 0.00 to 500.00 MMBNGL  
Entire range is from 3.93 to 754.76 MMBNGL  
After 50,000 trials, the standard error of the mean is 0.45

Statistics:	Value
Trials	50000
Mean	197.31
Median	184.11
Mode	---
Standard Deviation	100.87
Variance	10,174.81
Skewness	0.76
Kurtosis	3.63
Coefficient of Variability	0.51
Range Minimum	3.93
Range Maximum	754.76
Range Width	750.83
Mean Standard Error	0.45



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**Forecast: NGL in Gas Fields (cont'd)**

Percentiles:

<u>Percentile</u>	<u>MMBNGL</u>
100%	3.93
95%	56.78
90%	78.34
85%	94.70
80%	109.02
75%	122.54
70%	135.14
65%	147.47
60%	159.88
55%	171.93
50%	184.11
45%	196.69
40%	209.87
35%	224.08
30%	239.58
25%	256.95
20%	277.70
15%	302.13
10%	334.54
5%	383.73
0%	754.76

End of Forecast

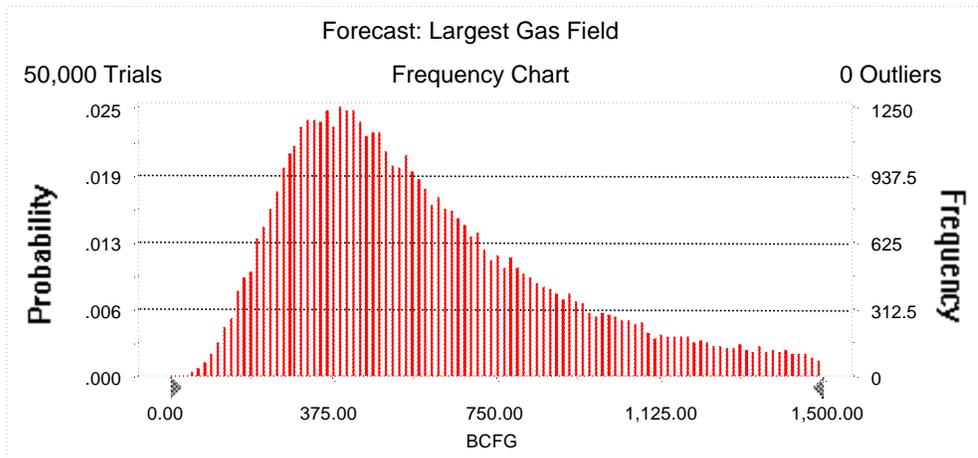
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**Forecast: Largest Gas Field**

Summary:

Display range is from 0.00 to 1,500.00 BCFG  
Entire range is from 30.81 to 1,499.93 BCFG  
After 50,000 trials, the standard error of the mean is 1.35

Statistics:	Value
Trials	50000
Mean	580.17
Median	513.15
Mode	---
Standard Deviation	301.62
Variance	90,973.84
Skewness	0.88
Kurtosis	3.25
Coefficient of Variability	0.52
Range Minimum	30.81
Range Maximum	1,499.93
Range Width	1,469.12
Mean Standard Error	1.35



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**Forecast: Largest Gas Field (cont'd)**

Percentiles:

<u>Percentile</u>	<u>BCFG</u>
100%	30.81
95%	200.77
90%	251.12
85%	288.64
80%	321.61
75%	353.29
70%	384.73
65%	414.82
60%	445.74
55%	478.85
50%	513.15
45%	551.45
40%	591.07
35%	636.73
30%	687.35
25%	747.31
20%	819.34
15%	909.61
10%	1,027.32
5%	1,201.94
0%	1,499.93

End of Forecast

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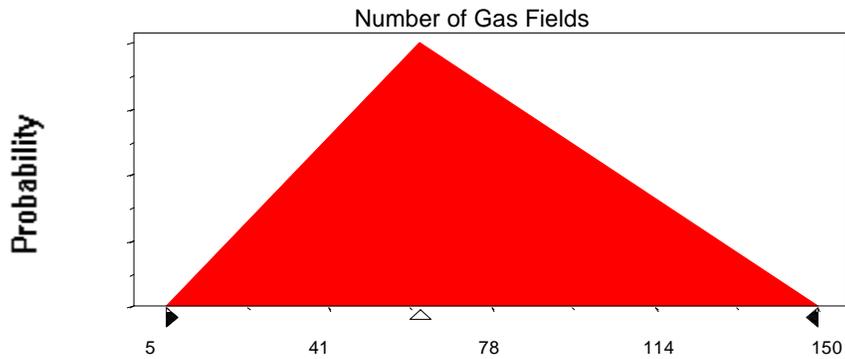
Assumptions

**Assumption: Number of Gas Fields**

Triangular distribution with parameters:

Minimum	5
Likeliest	62
Maximum	150

Selected range is from 5 to 150  
Mean value in simulation was 72



**Assumption: Sizes of Gas Fields**

Lognormal distribution with parameters:

Mean	58.66
Standard Deviation	130.83

Shifted parameters

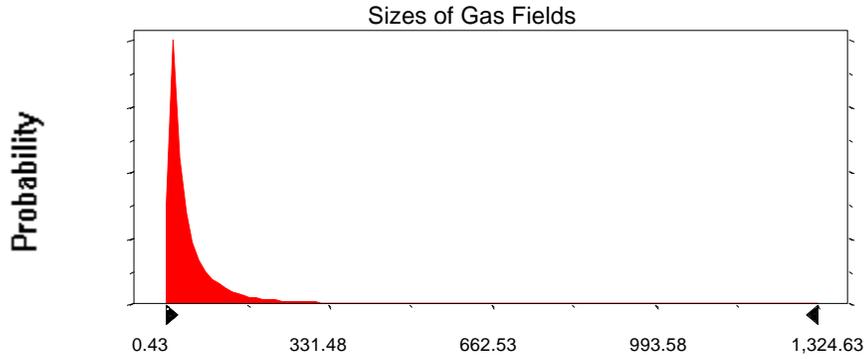
64.66
130.83

Selected range is from 0.00 to 1,494.00  
Mean value in simulation was 56.52

6.00 to 1,500.00  
62.52

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Assumption: Sizes of Gas Fields (cont'd)



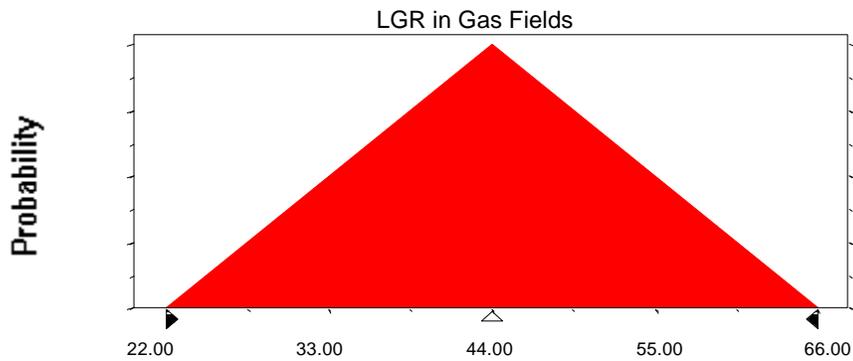
Assumption: LGR in Gas Fields

Triangular distribution with parameters:

Minimum	22.00
Likeliest	44.00
Maximum	66.00

Selected range is from 22.00 to 66.00

Mean value in simulation was 44.00



End of Assumptions

Simulation started on 12/30/99 at 15:30:28  
Simulation stopped on 12/30/99 at 16:12:19